

Amendments to the Claims:

Please amend the claims to read as follows. This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1 – 32. (Canceled)

33. (Currently amended) A fluid control device, comprising:

a housing having a chamber therein defined by an interior surface comprising an end wall;

a valve assembly disposed in the chamber to control fluid flow through the chamber, the valve assembly comprising a valve seat having an outer surface disposed adjacent to the interior surface of the chamber;

an end cap disposed in the housing opposite the end wall to enclose the chamber, the end wall, the valve seat and the end cap each having an opening therein to pass a fluid to the chamber or to remove a fluid from the chamber, the housing and the end cap each having an abutment surface to receive the other abutment surface, at least one of the abutment surfaces having a plastic seal coating; and

compression means to engage the end cap to deform the plastic seal coating between the abutment surfaces and thereby seal the chamber.

34. (Currently amended) The fluid control device of claim 33, wherein the abutment surface of the housing is disposed [[at]] near an end of the housing.

35. (Original) The fluid control device of claim 34 wherein the end of the housing is formed with a recess into which the end cap is received and wherein the abutment surface of the housing comprises an annular surface within the recess.

36. (Original) The fluid control device of claim 35 wherein the abutment surface of the end cap cooperates with the annular surface and includes an annular ridge that localizes compression forces on the plastic seal coating.

37. (Currently amended) The fluid control device of claim 33 wherein the valve assembly comprises a ball check valve and wherein the valve seat is having a ball seat, the ball check valve having [[and]] a ball disposed in the chamber between the end cap and the end wall of the chamber, the ball seat having an opening to provide fluid communication between the openings in the end wall and the end cap, the ball seat having a ball receiving surface for engaging the ball to control the flow of fluid through the chamber and having an abutment surface cooperating with the abutment surface of the end cap.

38. (Original) The fluid control device of claim 37 wherein the abutment surface of the end cap which cooperates with the abutment surface of the ball seat comprises an annular ridge.

39. (Original) The fluid control device of claim 37 wherein the opening in the end wall to pass a fluid extends through the housing.

40. (Original) The fluid control device of claim 33 wherein the end cap is disposed at a first end of the housing and wherein the housing has a second end opposite the first end, the second end of the housing configured to

cooperate with an adjoining wall of an apparatus in which the fluid control device is disposed, at least one of the second end of the housing and the adjoining wall having a plastic seal coating.

41. (Currently amended) The fluid control device of claim 33 wherein the end cap has an additional abutment surface remote to the abutment surface that receives the housing abutment surface, the additional abutment surface configured to cooperate with a surface of the compression means, at least one of the additional abutment surface and the surface of the compression means having a plastics seal coating.

42. (Original) The fluid control device of claim 33 wherein the compression means comprises a compression housing having a compression chamber in which the housing and the end cap are received, the compression means further comprising a compression sleeve that cooperates with the compression housing to cause a compression between the housing and the end cap.

43. (Original) The fluid control device of claim 33 wherein the plastic seal coating comprises a polymeric coating comprising one of polytrifluoroethylene (PTFE), polyetheretherketone (PEEK), polychlorotrifluoroethylene (PCTFE), perfluoroalkoxy (PFA) and fluorinatedethylenepropylene (FEP).

REMARKS